

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

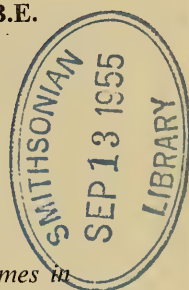
**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

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## OPINION 356

Addition to the *Official List of Family-Group Names in Zoology* of the names of the family-group taxa having *Ostrea* Linnaeus, 1758, and *Gryphaea* Lamarck, 1801 (Class Pelecypoda) as their respective type genera (*Opinion* supplementary to *Opinion* 338)



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 356

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl Jordan (*British Museum (Natural History),  
Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester Bradley (*Cornell University, Ithaca, N.Y.,  
U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis Hemming (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

Professor H. Boschma (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel Cabrera (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948)

Mr. Francis Hemming (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso Esaki (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre Bonnet (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh Riley (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz Jaczewski (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert Mertens (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950)

Professor Erich Martin Hering (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

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Professor J. R. Dymond (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. Vokes (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla Hankó (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. Stoll (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. Sylvester-Bradley (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. Key (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. Miller (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand Prantl (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm Kühnelt (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. Bodenheimer (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

## OPINION 356

ADDITION TO THE "OFFICIAL LIST OF FAMILY-GROUP NAMES IN ZOOLOGY" OF THE NAMES OF THE FAMILY-GROUP TAXA HAVING "OSTREA" LINNAEUS, 1758, AND "GRYPHAEA" LAMARCK, 1801 (CLASS PELECYPODA) AS THEIR RESPECTIVE TYPE GENERA ("OPINION" SUPPLEMENTARY TO "OPINION" 338)

**RULING** :—(1) The under-mentioned family-group names are hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Nos. 11 and 12 respectively :—

- (a) OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815 (type genus : *Ostrea* Linnaeus, 1758) ;
- (b) GRYPHAEINAE Vialov, 1937 (type genus : *Gryphaea* Lamarck, 1801, as defined in *Opinion* 338) (for use by those specialists who place *Gryphaea* Lamarck, 1801, in a family-group taxon different from that in which they place *Ostrea* Linnaeus, 1758, the type genus of the family-group taxon OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815).

(2) The under-mentioned family-group names, each of which has *Ostrea* Linnaeus, 1758, as its type genus, are hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name Nos. 29 to 31 respectively :—

- (a) OSTREACIA Rafinesque, 1815 (an Invalid Original Spelling for OSTREIDAE) ;

- (b) OSTRACEA Blainville, 1825 (an invalidly-formed junior synonym of OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815) ;
- (c) OSTREADAE Fleming (J.), 1828 (an invalidly-formed junior synonym of OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815).

(3) The words "gender : feminine" are hereby inserted in the entry relating to the generic name *Ostrea* Linnaeus, 1758, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 94*.

(4) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 495 :—*edulis* Linnaeus, 1758, as published in the combination *Ostrea edulis* (specific name of type species of *Ostrea* Linnaeus, 1758).

#### I.—THE STATEMENT OF THE CASE

In its *Opinion 338* (1955, *Ops. Decls. int. Comm. zool. Nomencl.* **10** : 125—151) relating to the species to be accepted as the type species of the genus *Gryphaea* Lamarck, 1801 (Class Pelecypoda), the International Commission reserved for further consideration the family-group-name aspects of the problem involved in connection with the foregoing generic name, noting (in paragraph 18) that this matter was then under examination in a separate File, to which the Registered Number Z.N.(S.) 865 had been allotted. Following the foregoing decision, this question was investigated by the Secretary to the Commission in consultation with Dr. L. R. Cox (*British Museum (Natural History), London*). On the completion of these investigations, Mr. Hemming on

30th November 1954 submitted the following paper (numbered Z.N.(S.) 865) to the Commission for consideration :—

**The family-group name based on the generic name “Gryphaea”  
Lamarck, 1801 (Class Pelecypoda)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

In the earlier part of the present year by its vote on Voting Paper V.P.(54)11, the Commission decided that the Rules should be strictly applied in the case of the generic name *Gryphaea* Lamarck, 1801, and therefore the Liassic fossil species *Gryphaea arcuata* Lamarck, 1801, be accepted as the type species of this genus. At the time when that vote was taken, there existed no *Official List of Family-Group Names in Zoology* and in consequence no consideration was then given to the question of the treatment of the foregoing generic name as the basis of a family-group name. Now that such an *Official List* has been established by the Fourteenth International Congress of Zoology, Copenhagen, 1953, it is desirable that this aspect of the *Gryphaea* problem should be cleared up as quickly as possible.

2. I have accordingly been in correspondence on this subject with Dr. L. R. Cox (*British Museum (Natural History), London*) who informs me that by most palaeontologists the genus *Gryphaea* Lamarck, 1801, defined as indicated above, is not placed in a different subfamily from the genus *Ostrea* Linnaeus, 1758, i.e., that the genus *Gryphaea* Lamarck, is treated as belonging to the nominate subfamily of the family OSTREIDAE. Dr. Cox has, however, drawn my attention to a paper entitled “Sur la Classification des Ostréidés et leur Valeur stratigraphique” by the Soviet palaeontologist Dr. Oleg Vialov (*Leningrad*), in which Dr. Vialov recognised four subfamilies for the family OSTREIDAE, of which the second was the new subfamily GRYPHAEINAE (“Valve supérieure plate ou concave (operculiforme) lisse (dépourvue de côtes)”) (Vialov, 1937, C.R. XII<sup>e</sup> Congrès international de Zoologie, Lisbonne, 1935 (3) : 1627—1639 ; new name GRYPHAEINAE on page 1631).

3. The name GRYPHAEINAE Vialov, 1937, is an available name, being the oldest family-group name based upon the nominal genus *Gryphaea*



Lamarck, 1801. Owing to the comparatively recent date of this name and to the interruptions caused by the recent World War, it seems likely that this subfamily has not yet become widely recognised by taxonomists but that offers no obstacle to its being placed on the *Official List of Family-Group Names*. Indeed, under a General Directive issued by the Thirteenth International Congress of Zoology, Paris, 1948, in relation to the placing of names on the *Official List of Generic Names in Zoology* (1950, *Bull. zool. Nomencl.* 4 : 268, Point (b)), as confirmed, and extended to the *Official List of Family-Group Names in Zoology* by the Fourteenth International Congress of Zoology, Copenhagen, 1953 (1953, *Copenhagen Decisions zool. Nomencl.* : 37, Decision 58(1)), the Commission is bound in cases where opinions differ, or may differ, among specialists as to the taxonomic limits of particular taxa to place on the *Official List* not only the name most commonly recognised but also the available names of the second or other associated taxa with a note that these names are placed on the *Official List* for use by those workers who are of the opinion that on taxonomic grounds more than one taxon should be recognised. When we apply the foregoing Directive to the present case, we find that in compliance therewith the family-group name GRYPHAEINAE Vialov, 1937, should now be placed on the *Official List of Family-Group Names in Zoology* with a note as follows :—“ for use by those workers who place *Gryphaea* Lamarck, 1801, in a subfamily different from *Ostrea* Linnaeus, 1758, the type genus of the family (and subfamily) OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815 ”.

4. As the generic name *Ostrea* Linnaeus, 1758, has been placed on the *Official List of Generic Names in Zoology* (with *Ostrea edulis* Linnaeus, 1758, as type species) by a Ruling given in *Opinion 94*, I suggest that the present is a convenient opportunity to clear up outstanding points in regard to this item on the *Official Lists* in accordance with the General Directives issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, namely (a) that the specific name of the type species of every nominal genus, the name of which is placed on the *Official List of Generic Names in Zoology*, shall, if the oldest available name for the species concerned, be placed on the *Official List of Specific Names in Zoology* (1950, *Bull. zool. Nomencl.* 4 : 270) and (b) that the gender for each generic name placed on the *Official List of Generic Names in Zoology* shall be specified in the entry to be made on that *List* in regard to that name (1950, *Bull. zool. Nomencl.* 4 : 341). In the present case, compliance with the first of the foregoing Directives will be secured by the addition of the specific name *edulis* Linnaeus, 1758, as published in the combination *Ostrea edulis* to the *Official List of Specific Names in Zoology*, while compliance with the second of those Directives will be secured by a decision that the words “ gender : feminine ” be inserted in the entry to be made on the *Official List of Generic Names in Zoology* in regard to the generic name *Ostrea* Linnaeus, 1758.

5. The concrete proposal which I now submit for consideration is that, in accordance with the General Directives cited in paragraphs 3 and 4 of the present note, the International Commission should :—

- (1) place the under-mentioned names on the *Official List of Family-Group Names in Zoology* :—
  - (a) OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815, *Analyse Nature* : 148 (type genus : *Ostrea* Linnaeus, 1758) ;
  - (b) GRYPHAEINAE Vialov, 1937 (reference as given in paragraph 2 above) (type genus : *Gryphaea* Lamarck, 1801), with an explanatory note as proposed at the end of paragraph 3 above ;
- (2) place the under-mentioned names on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* :—
  - (a) OSTREACIA Rafinesque, 1815 (an Invalid Original Spelling for OSTREIDAE) ;
  - (b) OSTRACEA Blainville, 1825 (*Manuel Malacolog.* : 519) (an invalidly-formed junior synonym of OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815) ;
  - (c) OSTREADAE Fleming (J.), 1828 (*Hist. brit. Anim.* : 392 (an invalidly-formed junior synonym of OSTREIDAE (correction of OSTREACIA) Rafinesque, 1815) ;
- (3) insert the words “gender : feminine” in the entry on the *Official List of Generic Names in Zoology* relating to the name *Ostrea* Linnaeus, 1758 (a name placed on the foregoing *Official List* by the Ruling given in *Opinion* 94) ;
- (4) place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—*edulis* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) **1** ; 699), as published in the combination *Ostrea edulis* (specific name of type species of *Ostrea* Linnaeus, 1758).

## II.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

2. **Issue of Voting Paper V.P.(O.M.)(54)26** : On 30th November 1954 a Voting Paper (V.P.(O.M.)(54)26) was issued in which each

Member of the Commission was asked<sup>1</sup> to state whether, having regard to the decision already taken in *Opinion* 338, he agreed "that, in conformity with the General Directive relating to the recording on the *Official List* and *Official Index* of decisions in regard to family-group names issued to the International Commission by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the entries in relation to the family-group name GRYPHAEINAE Vialov, 1937, and associated names specified in Points (1) to (4) in paragraph 5 of the statement bearing the number Z.N.(S.) 865 submitted by the Secretary simultaneously with the present Voting Paper [i.e., in paragraph 5 of the paper reproduced in the first paragraph of the present *Opinion*], should be made, as proposed, in the *Official List* and in the *Official Index* of family-group names and in the other *Official Lists* there specified", and (2), if he did not so agree as regards any given item, to indicate the item concerned.

**3. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period was due to close on 30th December 1954, but by a Direction issued by the Secretary on 28th December 1954 this Period was extended to 15th January 1955 in view of the delays consequent upon the exceptionally heavy calls on the postal services at the Christmas Season.

**4. Particulars of the Voting on Voting Paper V.P.(O.M.)(54)26 :** At the close of the Voting Period as extended by direction of the Secretary to 15th January 1955 (paragraph 3 above), the state of the voting on Voting Paper V.P.(O.M.)(54)26 was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which votes were received)*<sup>1</sup> :

Lemche ; Hering ; Vokes ; Dymond ; Stoll ; Esaki ; do Amaral ; Kühnelt ; Jaczewski ; Bradley (J.C.) ; Bonnet ; Key ; Hemming ; Sylvester-Bradley ; Riley ; Hankó ; Boschma ; Miller ; Cabrera ;



(b) *On Leave of Absence, two (2) :*

Holthuis ; Mertens ;

(c) *Voting Papers not returned, two (2)<sup>1</sup> :*

Bodenheimer ; Prantl ;

(d) *Negative Votes :*

None.

**5. Declaration of Result of Vote :** On 15th January 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(54)26, signed a Certificate that the Votes cast were as set out in paragraph 4 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**6. Preparation of the Ruling given in the present "Opinion" :** On 8th February 1955, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate

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<sup>1</sup> The following zoologists who were Members of the Commission at the time of the issue of Voting Paper V.P.(O.M.)(54)26, were not Members of the Commission at the time when by its vote on Voting Paper V.P.(54)11 the Commission gave the Ruling regarding the species to be accepted as the type species of the genus *Gryphaea* Lamarck, 1801, which has since been promulgated in *Opinion* 338 :—

Dr. K. H. L. Key (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*)

Dr. Alden H. Miller (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*)

Doc. Dr. Ferdinand Prantl (*Národní Museum v Praze, Prague, Czechoslovakia*)

Professor Dr. Wilhelm Kühnelt (*Zoologisches Institut der Universität, Vienna, Austria*)

Professor F. S. Bodenheimer (*The Hebrew University, Jerusalem, Israel*)

that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(54)26.

**7. Original references :** The following are the original references for the family-group names placed by the Ruling given in the present *Opinion* on the *Official List* or, as the case might be, the *Official Index*, established for recording valid and invalid family-group names respectively :—

GRYPHAEINAE Vialov, 1937, *C.R.XII<sup>e</sup> Congrès int. Zool., Lisbonne, 1935* (3) : 1631

OSTRACEA Blainville, 1825, *Manual Malacalog.* : 519

OSTREACIA (an Invalid Original Spelling for OSTREIDAE) Rafinesque, 1815, *Analyse Nature* : 148

OSTREADAE Fleming (J.), 1828, *Hist. brit. Anim.* : 392

**8.** The following is the original reference for the under-mentioned specific name placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Opinion* :—  
*edulis*, *Ostrea*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 699

**9.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**10.** The present *Opinion* shall be known as *Opinion Three Hundred and Fifty-Six* (356) of the International Commission on Zoological Nomenclature.

DONE in London, this Eighth day of February, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**